

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1168	(375/148).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/26 13:02
S2	200	("6377615" "20050232340" "5703902" "6170117" "4243184" "4244168" "4245458" "4254609" "4304304" RE30908 "4324093" "4352485" "4357122" "4359299" "4378671" "4478033" "4515519" "4526352" "4565398" "4572560" "4601117" "4610641" "4772347" "4776158" "4808044" "4846478" "4948130" "4974894" "4985961" "5011340" "5198083" "5275096" "5357854" "5382025" "5428256" "5490374" "5505569" "5540015" "5553447" "5575328" "5655413" "5660484" "5711230" "5720159" "5785369" "5787759" "5878563" "5918105" "5927058" "6039515" "6109013" "6178728" "6190096" "6354672" "4951040" "4364089" "4500876" "4768028" "5697578" "5806789" "5812257" "5923711" "6108565" "6345078" "6347234" "6560273" "6771693" "6791964" "6891883" "7154872" "20030123528" "20030128745" "20030171136" "20030202488" "20030231705" "20040018853" "20040170220" "20040233977" "20040253934" "20050111527" "20050197160" "20060045171" "4263774" "4275552" "5425226" "6102402" "4298224" "4547011" "4562970" "4579655" "4958871" "4985609" "5016497" "5311733" "5408818" "5413353" "5422006" "5487253" "5577867" "5775181" ). pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 13:03
S3	182	S2 and @pd<"20040416"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 15:04

## EAST Search History

S4	200	("6377615" "20050232340" "5703902" "6170117" "4243184" "4244168" "4245458" "4254609" "4304304" RE30908 "4324093" "4352485" "4357122" "4359299" "4378671" "4478033" "4515519" "4526352" "4565398" "4572560" "4601117" "4610641" "4772347" "4776158" "4808044" "4846478" "4948130" "4974894" "4985961" "5011340" "5198083" "5275096" "5357854" "5382025" "5428256" "5490374" "5505569" "5540015" "5553447" "5575328" "5655413" "5660484" "5711230" "5720159" "5785369" "5787759" "5878563" "5918105" "5927058" "6039515" "6109013" "6178728" "6190096" "6354672" "4951040" "4364089" "4500876" "4768028" "5697578" "5806789" "5812257" "5923711" "6108565" "6345078" "6347234" "6560273" "6771693" "6791964" "6891883" "7154872" "20030123528" "20030128745" "20030171136" "20030202488" "20030231705" "20040018853" "20040170220" "20040233977" "20040253934" "20050111527" "20050197160" "20060045171" "4263774" "4275552" "5425226" "6102402" "4298224" "4547011" "4562970" "4579655" "4958871" "4985609" "5016497" "5311733" "5408818" "5413353" "5422006" "5487253" "5577867" "5775181" ). pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 15:05
S5	182	S4 and @pd<"20040416"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 15:15
S6	1	S5 and (CDMA and Rake) and ((linear or signal) near3 transform\$3) and (autocorrelat\$4 or (auto adj3 correlat\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 17:25

## EAST Search History

S7	10	S5 and (CDMA and Rake) and track\$3 and search\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 15:15
S8	1143	(CDMA and Rake) and track\$3 and search\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 17:09
S9	28	S8 and ((linear or signal) near3 transform\$3) and (autocorrelat\$4 or (auto adj3 correlat\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 17:10
S10	10	S9 and @pd<"20040416"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 15:23
S11	3	S10 and ((antenna near3 array) or ((multiple or several) near3 antenna))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 15:32
S12	52	S8 and (transform) and (autocorrelat\$4 or (auto adj3 correlat\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 15:22
S13	30	S12 and @pd<"20040416"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 15:34
S14	26	S13 and autocorrelation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 15:23

## EAST Search History

S15	67	((antenna near3 array) or ((multiple or several) near3 antenna)) and (transform\$5) and (autocorrelation or (auto adj2 correlat\$3)) and (matrix with decompos\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 15:40
S16	28	S15 and @pd<"20040416"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 15:42
S17	0	((antenna near3 array) or ((multiple or several) near3 antenna)) and (autocorrelation near3 matrix) and (inver\$4 with autocorrelation) and (decompos\$3 with autocorrelation) and (transform\$3 or whiten\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 15:42
S18	0	((antenna near3 array) or ((multiple or several) near3 antenna)) and (autocorrelation near3 matrix) and (inver\$4 same autocorrelation) and (decompos\$3 same autocorrelation) and (transform\$3 or whiten\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 15:42
S19	47853	((antenna near3 array) or ((multiple or several) near3 antenna))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 15:42
S20	179	((antenna near3 array) or ((multiple or several) near3 antenna)) and (autocorrelation near3 matrix)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 16:46
S21	83	S20 and @pd<"20040416"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 16:48
S22	2	S21 and (decompos\$3) and (whiten\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 15:44
S23	1	("2002/0150109"   "2004/0013205").URPN.	USPAT	OR	ON	2007/04/28 16:16

## EAST Search History

S24	71	(finger near3 group) and (CDMA) and Rake	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 16:46
S25	31	S24 and @pd<"20040416"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 16:54
S26	1	S25 and (choleskey or autocorrelation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 16:48
S27	0	S25 and (propagation near5 delay)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 16:54
S28	3	S25 and (propagation near5 delay)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 16:54
S29	1	(US-20020150109-\$).did.	US-PGPUB	OR	ON	2007/04/28 17:04
S30	1168	(375/148).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/28 17:09
S31	218	S30 and (CDMA and Rake) and track\$3 and search\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 17:09
S32	3	S31 and ((linear or signal) near3 transform\$3) and (autocorrelat\$4 or (auto adj3 correlat\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 17:11

## EAST Search History

S33	6976	((370/320,342,335) or (375/130)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/28 17:20
S34	19	S33 and (CDMA and Rake) and ((linear or signal) near3 transform\$3) and (autocorrelat\$4 or (auto adj3 correlat\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 17:22
S35	1689	(370/400).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/28 17:25
S36	0	S35 and (CDMA and Rake) and ((linear or signal) near3 transform\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/28 17:25

**Search Results****BROWSE****SEARCH****IEEE XPLORE GUIDE**

Results for "((((antenna <phrase> array) or (multiple <near/5> antenna)) and (autocorrelation <ne..."

[e-mail](#)

Your search matched **0** documents.

A maximum of **100** results are displayed, **100** to a page, sorted by **Publication year** in **Ascending** order.

**» Search Options**[View Session History](#)[New Search](#)**Modify Search**☐ Check to search only within this results setDisplay Format: ☒ Citation ☐ Citation & Abstract**» Key**

Indicates full text access

IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

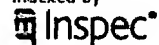
IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

**No results were found.**

Please edit your search criteria and try again. Refer to the Help pages if you need assistance.

Indexed by

[Help](#) [Contact Us](#) [Privacy & :](#) 

© Copyright 2006 IEEE -

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

**Search Results****BROWSE****SEARCH****IEEE XPLORE GUIDE**Results for "((((antenna <phrase> array) or (multiple <near/5> antenna)) and (autocorrelation <ne..." [e-mail](#)Your search matched **0** documents.A maximum of **100** results are displayed, **100** to a page, sorted by **Publication year** in **Ascending** order.

## » Search Options

[View Session History](#)[New Search](#)

## Modify Search

 ☐ Check to search only within this results setDisplay Format: ☒ Citation ☐ Citation & Abstract

## » Key

IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

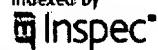
IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

**No results were found.**

Please edit your search criteria and try again. Refer to the Help pages if you need assistance with search.

Indexed by

[Help](#) [Contact Us](#) [Privacy & Policy](#)

© Copyright 2006 IEEE - All rights reserved.



[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

[Search Results](#)[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)Results for "((((antenna <phrase> array) or (multiple <near/5> antenna)) and (decompos\*) and (whiten..." [e-mail](#)Your search matched **0** documents.A maximum of **100** results are displayed, **100** to a page, sorted by **Publication year** in **Ascending** order.

» Search Options

[View Session History](#)[New Search](#)

Modify Search

 ☐ Check to search only within this results setDisplay Format: ☒ Citation ☐ Citation & Abstract

» Key

IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

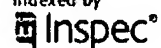
IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

**No results were found.**

Please edit your search criteria and try again. Refer to the Help pages if you need assistance.

Indexed by

[Help](#) [Contact Us](#) [Privacy & :](#) 

© Copyright 2006 IEEE -



Welcome United States Patent and Trademark Office

☐ Search Results

BROWSE

SEARCH

IEEE XPLORE GUIDE

Results for "((((antenna &lt;phrase&gt; array) or (multiple &lt;near/5&gt; antenna)) and cholesky)&lt;in&gt;meta..."

☐ e-mail

Your search matched 5 of 1558879 documents.

A maximum of 100 results are displayed, 100 to a page, sorted by Publication year in Ascending order.

## » Search Options

[View Session History](#)
[New Search](#)

## Modify Search


☐ Check to search only within this results set
Display Format: ☒ Citation ☐ Citation & Abstract

## » Key

IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

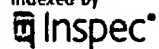
IEEE STD IEEE Standard

- ☐ 1. **A novel fast joint detector for smart antenna based CDMA systems**  
 Weidong Yang; Hui Liu; Guanghan Xu; Sang-Youb Kim;  
Signals, Systems, and Computers, 1999. Conference Record of the Thirty-Third Conference on  
 Volume 1, 24-27 Oct. 1999 Page(s):159 - 163 vol.1  
 Digital Object Identifier 10.1109/ACSSC.1999.832314  
[AbstractPlus](#) | Full Text: [PDF\(316 KB\)](#) IEEE CNF  
[Rights and Permissions](#)
- ☐ 2. **Fast joint detection with cyclic reduction exploiting displacement structure**  
 Weidong Yang; Sang-Youb Kim; Guanghan Xu; Kavak, A.;  
Acoustics, Speech, and Signal Processing, 2000. ICASSP '00. Proceedings. 2000 International Conference on  
 Volume 5, 5-9 June 2000 Page(s):2857 - 2860 vol.5  
 Digital Object Identifier 10.1109/ICASSP.2000.861117  
[AbstractPlus](#) | Full Text: [PDF\(232 KB\)](#) IEEE CNF  
[Rights and Permissions](#)
- ☐ 3. **Iterative space-time processing for multiuser detection in multipath CDM**  
 Huaiyu Dai; Poor, H.V.;  
Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Signal Processing, IEEE Transactions on]  
 Volume 50, Issue 9, Sept. 2002 Page(s):2116 - 2127  
 Digital Object Identifier 10.1109/TSP.2002.801923  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(406 KB\)](#) IEEE JNL  
[Rights and Permissions](#)
- ☐ 4. **Unified multi-antenna code design for fading channels with spatio-temporal processing**  
 Dayal, P.; Varanasi, M.K.;  
Signals, Systems and Computers, 2004. Conference Record of the Thirty-Eighth Conference on  
 Volume 2, 7-10 Nov. 2004 Page(s):1897 - 1901 Vol.2  
 Digital Object Identifier 10.1109/ACSSC.2004.1399494  
[AbstractPlus](#) | Full Text: [PDF\(689 KB\)](#) IEEE CNF  
[Rights and Permissions](#)
- ☐ 5. **An iterative algorithm for computing a spatial whitening filter**  
 Venkatesan, S.; Mailaender, L.; Salz, J.;

Signal Processing Advances in Wireless Communications, 2004 IEEE 5th Wor  
11-14 July 2004 Page(s):338 - 342  
Digital Object Identifier 10.1109/SPAWC.2004.1439260  
AbstractPlus | Full Text: PDF(470 KB) IEEE CNF  
Rights and Permissions

Indexed by



[Help](#) [Contact Us](#) [Privacy & ;](#)

© Copyright 2006 IEEE –



Welcome United States Patent and Trademark Office

☐ Search Results[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)Results for "((((antenna <phrase> array) or (multiple <near/5> antenna)) and cholesky)<in>meta..." [e-mail](#)

Your search matched 5 of 1558879 documents.

A maximum of 100 results are displayed, 100 to a page, sorted by **Publication year in Ascending order.**

## » Search Options

[View Session History](#)[New Search](#)

## Modify Search

((((antenna <phrase> array) or (multiple <near/5> antenna)) and cholesky)<in>meta... [Search](#)☐ Check to search only within this results setDisplay Format: ☒ Citation ☐ Citation & Abstract

## » Key

IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

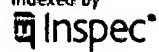
IEEE STD IEEE Standard

[view selected items](#) [Select All](#) [Deselect All](#)**1. A novel fast joint detector for smart antenna based CDMA systems**Weidong Yang; Hui Liu; Guanghan Xu; Sang-Youb Kim;  
Signals, Systems, and Computers, 1999. Conference Record of the Thirty-Third Conference onVolume 1, 24-27 Oct. 1999 Page(s):159 - 163 vol.1  
Digital Object Identifier 10.1109/ACSSC.1999.832314[AbstractPlus](#) | Full Text: [PDF](#)(316 KB) IEEE CNF  
[Rights and Permissions](#)**2. Fast joint detection with cyclic reduction exploiting displacement structure**Weidong Yang; Sang-Youb Kim; Guanghan Xu; Kavak, A.;  
Acoustics, Speech, and Signal Processing, 2000. ICASSP '00. Proceedings. 2000 International Conference onVolume 5, 5-9 June 2000 Page(s):2857 - 2860 vol.5  
Digital Object Identifier 10.1109/ICASSP.2000.861117[AbstractPlus](#) | Full Text: [PDF](#)(232 KB) IEEE CNF  
[Rights and Permissions](#)**3. Iterative space-time processing for multiuser detection in multipath CDM**Huaiyu Dai; Poor, H.V.;  
Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Signal Processing, IEEE Transactions on]Volume 50, Issue 9, Sept. 2002 Page(s):2116 - 2127  
Digital Object Identifier 10.1109/TSP.2002.801923[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(406 KB) IEEE JNL  
[Rights and Permissions](#)**4. Unified multi-antenna code design for fading channels with spatio-temporal**Dayal, P.; Varanasi, M.K.;  
Signals, Systems and Computers, 2004. Conference Record of the Thirty-Eighth Conference onVolume 2, 7-10 Nov. 2004 Page(s):1897 - 1901 Vol.2  
Digital Object Identifier 10.1109/ACSSC.2004.1399494[AbstractPlus](#) | Full Text: [PDF](#)(689 KB) IEEE CNF  
[Rights and Permissions](#)**5. An iterative algorithm for computing a spatial whitening filter**

Venkatesan, S.; Mallaeender, L.; Salz, J.;

Signal Processing Advances in Wireless Communications, 2004 IEEE 5th Wor  
11-14 July 2004 Page(s):338 - 342  
Digital Object Identifier 10.1109/SPAWC.2004.1439260  
AbstractPlus | Full Text: PDF(470 KB) IEEE CNF  
Rights and Permissions

Indexed by



[Help](#) [Contact Us](#) [Privacy & :](#)

© Copyright 2006 IEEE –



Welcome United States Patent and Trademark Office

☐ Search Results

BROWSE

SEARCH

IEEE XPLORE GUIDE

Results for "( ( tracking loop&lt;in&gt;ti ) &lt;and&gt; ( sheen&lt;in&gt;au ) )"

☐ e-mail

Your search matched 4 of 1558879 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

## » Search Options

[View Session History](#)
[New Search](#)

## Modify Search

( ( tracking loop&lt;in&gt;ti ) &lt;and&gt; ( sheen&lt;in&gt;au ) )

☐ Check to search only within this results set
Display Format: ☒ Citation ☐ Citation & Abstract

## » Key

IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

 [Select All](#) [Deselect All](#)

- ☐ 1. **A new tracking loop for direct sequence spread spectrum systems on frequency selective fading channels**  
 Wern-Ho Sheen; Stuber, G.L.;  
[Communications, IEEE Transactions on](#)  
 Volume 43, Issue 12, Dec. 1995 Page(s):3063 - 3072  
 Digital Object Identifier 10.1109/26.477509  
[AbstractPlus](#) | Full Text: [PDF](#)(768 KB) IEEE JNL  
[Rights and Permissions](#)
- ☐ 2. **A noncoherent tracking loop with diversity and multipath interference cancellation for direct-sequence spread-spectrum systems**  
 Wern-Ho Sheen; Chien-Hsiang Tai;  
[Communications, IEEE Transactions on](#)  
 Volume 46, Issue 11, Nov. 1998 Page(s):1516 - 1524  
 Digital Object Identifier 10.1109/26.729396  
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(460 KB) IEEE JNL  
[Rights and Permissions](#)
- ☐ 3. **A new tracking loop for direct sequence spread spectrum systems on frequency selective fading channels**  
 Wern-Ho Sheen; Stuber, G.L.;  
[Communications, 1995. ICC 95 Seattle, Gateway to Globalization, 1995 IEEE Conference on](#)  
 Volume 3, 18-22 June 1995 Page(s):1364 - 1368 vol.3  
 Digital Object Identifier 10.1109/ICC.1995.524427  
[AbstractPlus](#) | Full Text: [PDF](#)(348 KB) IEEE CNF  
[Rights and Permissions](#)
- ☐ 4. **Noncoherent DLL and TDL PN code tracking loops in Rayleigh fading channels**  
 Chen-Yu Lo; Kwang-Cheng Chen; Wern-Ho Sheen;  
[Personal, Indoor and Mobile Radio Communications, 1994. Wireless Networks Mobile Future. 5th IEEE International Symposium on](#)  
 Volume 1, 18-23 Sept. 1994 Page(s):338 - 342 vol.1  
 Digital Object Identifier 10.1109/WNCMF.1994.530819  
[AbstractPlus](#) | Full Text: [PDF](#)(360 KB) IEEE CNF  
[Rights and Permissions](#)



[Help](#) [Contact Us](#) [Privacy & :](#)

© Copyright 2006 IEEE -